

0000003

Final Permit

*North Chicago Refiners &
Smelters, Inc.*

NPDES # 473-74

RECEIVED

JUN 30 1975

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JUL 21 1975

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

ENVIRONMENTAL PROTECTION AGENCY
DIV. OF WATER POLLUTION CONTROL
RECORDS UNIT - SPRINGFIELD
STATE OF ILLINOIS

LAVIN & SON

Mr. Norman Lavin, President
North Chicago Refiners & Smelters, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064

Re: NPDES Permit
NO. IL-0002755

Dear Mr. Lavin:

Your application IL-0002755 for a National Pollutant Discharge Elimination System (NPDES) Permit has been processed in accordance with Sections 402 and 405 of the Federal Water Pollution Control Act Amendments of 1972, (86 Stat. 816; Public Law 92-500, 33 U.S.C. 1251 et. seq.).

The enclosed NPDES permit covers your operations which discharge into Pettibone creek via a storm sewer at North Chicago, Illinois. All discharges from this facility shall be consistent with the terms and conditions of this permit. Please note that the amendments to 40 CFR 125 (published July 24, 1974 in the Federal Register at 27078-27084) require that any request for an adjudicatory hearing must be made within 10 days of receipt of this permit.

Very truly yours,

ORIGINAL SIGNED BY JAMES O. McDONALD

James O. McDonald, Director
Enforcement Division

Enclosure
Permit
Reporting Forms

cc: Mr. W. H. Busch, Illinois Environmental Protection Agency, w/Permit

EPA Region 5 Records Ctr.



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ENVIRONMENTAL PROTECTION AGENCY
DIV. OF WATER POLLUTION CONTROL
RECORDS UNIT PRINCETON, ILL.
STATE OF ILLINOIS

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Permit No. IL-0002755

Application No. IL-0002755

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq; the "Act"),

NORTH CHICAGO REFINERS AND SMELTERS, INC.

is authorized by the United States Environmental Protection Agency, Region V,
to discharge from a facility located at 2028 South Sheridan Road
North Chicago, Illinois

to receiving waters named Pettibone Creek (via a storm sewer), a
tributary of Lake Michigan.

in accordance with effluent limitations, monitoring requirements and
other conditions set forth in Parts I, II, and III hereof.

This permit and the authorization to discharge shall expire at
midnight, March 31, 1980. Permittee shall not discharge after the
above date of expiration. In order to receive authorization to discharge
beyond the date of expiration, the permittee shall submit such
information, forms, and fees as are required by the Agency authorized to
issue NPDES permits no later than 180 days prior to the above date of
expiration.

This permit shall become effective 30 days from this date of
signature.

Signed this JUN 30 1975


Director, Enforcement Division

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning with the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge from outfall(z) serial number(y) 001.

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day (lbs/day)		Other Units (Specify)		Measurement*	Sample
	<u>Daily Avg</u>	<u>Daily Max</u>	<u>Daily Avg</u>	<u>Daily Max</u>	<u>Frequency</u>	<u>Type</u>
Flow-M ³ /Day (MGD)	-	-	-	-	Measure when monitoring	
Total Suspended Solids	-	-	-	15 mg/l	Daily	Grab
Total Copper	-	-	-	1.0 mg/l	Daily	Grab
Total Iron	-	-	-	2.0 mg/l	Daily	Grab
Total Zinc	-	-	-	1.0 mg/l	Daily	Grab
Total Lead	-	-	-	0.1 mg/l	Daily	Grab
Total Mercury	-	-	-	0.0005 mg/l	Daily	Grab
Total Nickel	-	-	-	1.0 mg/l	Daily	Grab

*Monitor when discharge occurs

The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored daily when discharging by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at a point representative of the discharge but prior to entry into the storm sewer which leads to Pettibone Creek.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results obtained during the previous three months shall be summarized on a monthly basis and reported on Discharge Monitoring Report Forms (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on October 28, 1975. Signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator at the following address:

U.S. Environmental Protection Agency
Region V, Enforcement Division
ATTN: Chief, Compliance Section
230 South Dearborn
Chicago, Illinois 60604.

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3. Definitions

a. "Daily Average" Discharge

1. Weight Basis - The "daily average" discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.
2. Concentration Basis - The "daily average" concentration means the arithmetic average (weighted by flow value) of all the daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

b. "Daily Maximum" Discharge

1. Weight Basis - the "daily maximum" discharge means the total discharge by weight during any calendar day.
2. Concentration Basis - the "daily maximum" concentration means the daily determination of concentration for any calendar day.

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4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses;
- d. The analytical techniques or methods used; and
- e. The results of all required analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

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PART II

MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if no date for implementation appears in Part I;

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of one or more of the primary sources of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any changes in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. Availability of Reports

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

PART II

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Permit No. IL-0002755

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

PART II

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Permit No. IL-0002755

9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART III

OTHER REQUIREMENTS

Additional Reporting of Monitoring to Illinois Environmental Protection Agency

Monitoring results obtained during the previous one month shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 15th day of the month following the completed reporting period. The first monthly report is due on September 15, 1975. The signed reports required herein, shall be submitted monthly to the State at the following address:

Environmental Protection Agency
State of Illinois
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706



Illinois Environmental Protection Agency • P. O. Box 19276, Springfield, IL 62794-9276

217/732-0510

A. Lavin & Sons, Inc.
North Chicago Refiners & Smelters Division
NPDES Permit No. IL0002753
Final Permit

July 16, 1991

A. Lavin & Sons, Inc.
3425 South Kedzie Avenue
Chicago, Illinois 60623

Gentlemen:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. The failure of you to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Permit as issued is effective as of the date indicated on the first page of the Permit. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board within a 30 day period following the issuance date.

Should you have questions concerning the Permit, please contact Candy Worin at the telephone number indicated above.

Very truly yours,

Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:TRK:CRM/mls/3730n/68

Attachment: Final Permit

cc: USEPA 5WQP/With Enclosure
Region 68/With Enclosure
✓ Records Unit
Compliance Assurance Section/with enclosure
Facility
NIPC

NPDES Permit No. IL0002755
Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
Reissued (NPDES) Permit

Expiration Date: December 1, 1995

Issue Date: July 16, 1991
Effective Date: August 15, 1991

Name and Address of Permittee:

R. Lavin & Sons, Inc.
3426 South Kedzie Avenue
Chicago, Illinois 60623

Facility Name and Address:

North Chicago Refiners & Smelters Division
2028 South Sheridan Road
North Chicago, Illinois 60064
(Lake County)

Discharge Number and Name:

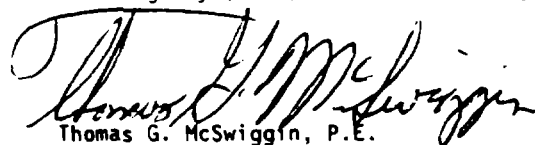
001 Process Water Emergency Overflow
002 Outfall 001 and Stormwater
003, 004 Stormwater

Receiving Waters

Internal Outfall
Pettibone Creek via storm sewer
Pettibone Creek via storm sewer

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D Rules and Regulations of the Illinois Pollution Control Board, and the Clean Water Act, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.


Thomas G. McSwiggan, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:CM/mls/3767n/3

NPDES Permit No. IL0002755

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	lbs/day		LIMITS mg/l			
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until December 1, 1995, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 001 Process Water Emergency Overflow						
Flow					Daily When Discharging	24 Hour Total
pH	See Special Condition No. 1				Daily When Discharging	Grab
Total Suspended Solids			15.0	30.0	Daily When Discharging	Daily Composite*
Iron			2.0	4.0	Daily When Discharging	Daily Composite*
Cadmium			0.15	0.30	Daily When Discharging	Daily Composite*
Copper			0.5	1.0	Daily When Discharging	Daily Composite*
Lead			0.2	0.4	Daily When Discharging	Daily Composite*
Nickel			1.0	2.0	Daily When Discharging	Daily Composite*
Zinc			1.0	2.0	Daily When Discharging	Daily Composite*
Oil & Grease			15.0	30.0	Daily When Discharging	Daily Composite*
Boron			Monitor	Monitor	Daily When Discharging	Daily Composite*

See Special Condition No. 2

*A daily composite shall be the numerical average of all grab samples, or the result of analysis of a single sample formed by combining all aliquots, taken during a calendar day. A daily composite must be based on at least three grab samples or three aliquots taken at different times.

*A grab sample shall be taken during the first hour or less of the discharge. A minimum of two additional grab samples shall be taken for discharges lasting more than two hours. Sampling shall occur at a point located prior to the mixing of process water overflow with stormwater.

NPDES Permit No. IL0002755

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until December 1, 1995, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 002 Stormwater and Outfall 001						
Flow					When Discharging	24-Hour Total
pH	See Special Condition No. 1				When Discharging	Grab
Total Suspended Solids			Monitor	Monitor	When Discharging	Daily Composite*
Iron			2.0	4.0	When Discharging	Daily Composite*
Cadmium			0.15	0.30	When Discharging	Daily Composite*
Copper			0.5	1.0	When Discharging	Daily Composite*
Lead			0.2	0.4	When Discharging	Daily Composite*
Nickel			1.0	2.0	When Discharging	Daily Composite*
Zinc			1.0	2.0	When Discharging	Daily Composite*
Oil & Grease			15.0	30.0	When Discharging	Daily Composite*
Boron			Monitor	Monitor	When Discharging	Daily Composite*

See Special Condition No. 3

*A daily composite shall be the numerical average of all grab samples, or the result of analysis of a single sample formed by combining all aliquots, taken during a calendar day. A daily composite must be based on at least three grab samples or three aliquots taken at different times.

*A grab sample shall be taken during the first hour or less of the discharge, with one additional grab sample taken in each succeeding hour of discharge with a minimum of four grab samples for storm events lasting four or more hours. One analysis shall be run on the initial grab sample; the remaining grab samples shall be composited and one analysis shall be run.

NPDES Permit No. IL0002755

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until December 1, 1995, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 003 and 004 Stormwater						
Flow					When Discharging	Estimate
pH	See Special Condition No. 1				When Discharging	Grab
Total Suspended Solids			Monitor	Monitor	When Discharging	Daily Composite*
Iron			2.0	4.0	When Discharging	Daily Composite*
Cadmium			0.15	0.30	When Discharging	Daily Composite*
Copper			0.5	1.0	When Discharging	Daily Composite*
Lead			0.2	0.4	When Discharging	Daily Composite*
Nickel			1.0	2.0	When Discharging	Daily Composite*
Zinc			1.0	2.0	When Discharging	Daily Composite*
Oil & Grease			15.0	30.0	When Discharging	Daily Composite*
Boron			Monitor	Monitor	When Discharging	Daily Composite*

See Special Condition No. 4

*A daily composite shall be the numerical average of all grab samples, or the result of analysis of a single sample formed by combining all aliquots, taken during a calendar day. A daily composite must be based on at least three grab samples or three aliquots taken at different times.

*A grab sample shall be taken during the first hour or less of the discharge, with one additional grab sample taken in each succeeding hour of discharge with a minimum of four grab samples for storm events lasting four or more hours. One analysis shall be run on the initial grab sample; the remaining grab samples shall be composited and one analysis shall be run.

Special Conditions

SPECIAL CONDITION 1. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 2. Subject to the following provisions there shall be no discharge of process wastewater pollutants into navigable waters:

A process wastewater impoundment which is designed, constructed, and operated to contain the precipitation from the 25-year, 24-hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of process wastewater which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25-year, 24-hour rainfall event, when such event occurs.

Discharge of process wastewater from Outfall 001 at any time other than the 25-year, 24-hour rainfall event shall be considered a violation of this special condition.

SPECIAL CONDITION 3. Beginning 30 days after the effective date of this permit, the Permittee shall monitor and analyze the first discharge of each calendar month from Outfall 002 that occurs after a dry period of at least 96 hours, if such discharge occurs. For purposes of this provision, a dry period is one without a measurable (greater than 0.1 inch rainfall) storm event.

SPECIAL CONDITION 4. Beginning 30 days after the effective date of this permit, the Permittee shall monitor and analyze the first discharge of each calendar quarter from Outfalls 003 and 004 that occurs after a dry period of at least 96 hours, if such event occurs. For purposes of this provision, a dry period is one without a measurable (greater than 0.1 inch rainfall) storm event.

SPECIAL CONDITION 5. Samples taken at Outfalls 002, 003, and 004 in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the storm sewer tributary to the receiving stream.

SPECIAL CONDITION 6. The Permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section

SPECIAL CONDITION 7. This permit may be modified to include different final effluent limitations or requirements which are consistent with applicable laws, regulations, or judicial orders. This includes modification of effluent limitations based on information submitted to the Agency on Application Form 2F. The Agency will public notice the permit modification.

SPECIAL CONDITION 8. The use and operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 9. In order to comply with 40 CFR 122.26(c)(1), the Permittee shall submit application Form 2F for Outfalls 002, 003, and 004 by the date specified in 40 CFR 122.26(e)(1).

ATTACHMENT H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act, Ch. 111.1.2 Ill. Rev. Stat. Sec. 1001-1051 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L. 92-500 as amended, 33 U.S.C. 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and resuming, terminating, monitoring and enforcing permits and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

USEPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the daily discharge is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24 Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8 Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

- (1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and rescission, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

- (6) **Permit actions.** This permit may be modified, revoked and resued, or terminated for cause by the Agency pursuant to 40 CFR 122.62. The filing of a request by the permittee for a permit modification, revocation and rescission, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time any information which the Agency may request to determine whether cause exists for modifying, revoking and resueing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency, upon request, copies of records required to be kept by this permit.
- (9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency upon the presentation of credentials and other documents as may be required by law to:
 - (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
 - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
 - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and
 - (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.
- (10) **Monitoring and records.**
 - (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original SDO chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of this permit, measurement report or application. This period may be extended by request of the Agency at any time.
 - (c) Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements.
 - (2) The individual(s) who performed the sampling or measurements.
 - (3) The date(s) analyses were performed.
 - (4) The individual(s) who performed the analyses.
 - (5) The analytical techniques or methods used, and
 - (6) The results of such analyses.
 - (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- (11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified:
 - (a) **Applications.** All permit applications shall be signed as follows:
 - (1) For a corporation, by a principal executive officer of at least the level of vice president or a person or persons having overall responsibility for environmental matters for the corporation.
 - (2) For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or
 - (3) For a municipality, State, Federal, or other public agency, by either a principal executive officer or ranking elected official.
 - (b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - (1) The authorization is made in writing by a person described in paragraph (a), and
 - (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility, and
 - (3) The written authorization is submitted to the Agency.

SECTION II: PLANT PROCESS AND DISCHARGE DESCRIPTION

1. Discharge described below is a. Present <input checked="" type="checkbox"/> b. Proposed new or changed <input type="checkbox"/>		2. Implementation schedule <input type="checkbox"/>	(Office use only) 2720682
Name of corporate boundaries within which the point of discharge is located. State <u>Illinois</u> County <u>Lake</u>		City or Town <u>North Chicago</u>	6. Discharge Serial No. <u>001</u>
State the precise location of the point of discharge. 7. Latitude _____ Degrees; _____ Min; _____ Sec. 8. Longitude _____ Degrees; _____ Min; _____ Sec.		9. Name of waterway at the point of discharge. <u>North Chicago Storm sewers to Pettibone Creek which flows into Lake Michigan</u>	
10. Has application for water quality certification or description of impact been made? If so, give date: Date _____ Check if certificate is attached to form <input type="checkbox"/> Name Issuing Agency <u>Not made</u>			
11. Narrative description of activity (include terms of general 4-digit Standard Industrial Classification, and specific manufacturing process). <u>General Process - Secondary smelting & refining of non-ferrous metals.</u> <u>Specific Process - cooling water to reduce temperature of poured ingots, furnace effluent, equipment & machinery. Excess water in recirculation cooling water system & rain water collecting in large pond & reservoir are subject to discharge into the storm sewer system through an overflow pipe to prevent flooding plant property.</u>			
12. Standard industrial classification number. <u>SIC 334</u> <u>493</u>	13. Principal product. <u>Non-ferrous ingots</u>	14. Amount of principal product produced per day. <u>132 Tons</u>	
15. Principal raw material. <u>Non-ferrous scrap</u>	16. Amount of principal raw material consumed per day. <u>140 Tons</u>	17. Number of batch discharges per day. <u>Not batch discharge</u>	
18. Average gallons per batch discharge. _____	19. Date discharge began. Same as when plant was purchased in _____ mo _____ day 19 <u>41</u> yr	20. Date discharge will begin. _____ mo _____ day _____ yr	
21. Describe waste abatement practices. <u>Normal operations consists of (RECYCL) recycling & reusing the cooling water after (DSEDIM) sedimentation in the pond followed by (PSCREE) screening through a coarse screen before entering an underground culvert. After the water is lifted by a pump to a large reservoir further (PSEDIM) sedimentation is conducted before again coarse screening (PSCREE) occurs ahead of the recirculation pump suction. Once a year the deposit left by (PSEDIM) sedimentation in both the reservoir and pond is removed by a clamshell for land fill disposal (SLANDD) Only heavy rainfall, because of the large pond & reservoir surface area, or excess city & well water use beyond evaporation loss would result in water being discharged into an overflow pipe located in the underground culvert and then into the storm sewer system.</u>			

22.

PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE

Intake		Discharge				(Office use only)	
Parameter and (Code)	Well & City	(2)	(3)	(4)	(5)	(6)	(7)
	UNTREATED INTAKE WATER	TREATED INTAKE WATER	AVERAGE (DAILY) (OPERATING YEAR)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	CONTINUOUS MONITORING
Flow (Gallons per day) 00056	86,700		2000	1,120	3,000	Other Semi-annually	ABS
pH 00400	7.6		10	7	11	"	"
Temperature (Winter) (°F) 74028	40 to 65		60	50	65	"	"
Temperature (Summer) (°F) 74027	65 to 70		80	65	85	"	"

23.

DISCHARGE CONTENTS

PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT
Color 00080		X	Aluminum 01105	X		Nickel 01067		X
Turbidity 00070	X		Antimony 01097	X		Selenium 01147		X
Radioactivity 74050		X	Arsenic 01002	X		Silver 01077		X
Hardness 00900		X	Beryllium 01012		X	Potassium 00937		X
Solids 00500 primarily charcoal	X		Barium 01007		X	Sodium 00329		X
Ammonia 00610		X	Boron 01022		X	Titanium 01152		X
Organic Nitrogen 00605		X	Cadmium 01027		X	Tin 01102		X
Nitrate 00620		X	Calcium 00916		X	Zinc 01092 also as Zinc Oxide	X	
Nitrite 00615		X	Cobalt 01037		X	Algalides 74051		X
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550	X	
Sulfate 00945		X	Copper 01042	X		Phenols 32730		X
Sulfide 00745		X	Iron 01045	X		Surfactants 38260		X
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052		X
Bromide 71870		X	Magnesium 00927		X	Pesticides 74053		X
Chloride 00940	X		Manganese 01055		X	Fecal Streptococci Bacteria 74054		X
Cyanide 00720		X	Mercury 71900	X		Coliform Bacteria 74056		X
Fluoride 00951	X		Molybdenum 01062		X			

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS

NPDES # 473-74

FORM APPROVED
OMB NO. 49-R 0408

APPLICATION FOR PERMIT TO DISCHARGE OR WORK IN NAVIGABLE WATERS AND THEIR TRIBUTARIES

NPDES # IL 0002755

SECTION 1. GENERAL INFORMATION

1. State <u>IL</u>	Application Number (to be assigned by Corps of Engineers) <u>0700X-3</u>	2. <u>720682</u>
Div.	Dist.	Type
		Sequence No.

2. Name of applicant and title of signing official

North Chicago Refiners & Smelters, Inc.

3. Mailing address of applicant

North Chicago Refiners & Smelters, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064

4. Name, address, telephone number and title of applicant's authorized agent for permit application coordination and correspondence.

Walter Schmidt, Plant Engineer
Irving Tanenberg - Plant Manager
North Chicago Refiners & Smelters, Inc.
2028 South Sheridan Road - North Chicago, Illinois 60064
Telephone: 312-262-5200

NOTE TO APPLICANT: Refer to the pamphlet entitled "Permits for Work and Structures in and for Discharges or Deposits into Navigable Waters" before attempting to complete this form.

Required Information

- All information contained in this application will, upon request, be made available to the public for inspection and copying. A separate sheet entitled "Confidential Answers" must be used to set out information which is considered by the applicant to constitute trade secrets or commercial or financial information of a confidential nature. The information must clearly indicate the item number to which it applies. Confidential treatment can be considered only for that information for which a specific written request of confidentiality has been made on the attached sheet. However, in no event will identification of the contents and frequency of a discharge be recognized as confidential or privileged information.
- The applicant shall furnish such supplementary information as is required by the District Engineer in order to evaluate fully an application.
- If additional space is needed for a complete response to any item on this form, attach a sheet entitled "Additional Information." Indicate on that sheet the item numbers to which answers apply.
- Drawings required by items 20 and 21 should be attached to this application. Other papers which must be attached to this application include, if applicable, copies of a water quality certification or a written communication which describes water quality impact (see Item 22 and Item 10 of Section II below), the additional information sheet(s) in "c" above, and the confidential information sheet described in "a" above.

Fees

If any discharge or deposit is involved, an application fee of \$100 must be submitted with this application. An additional \$50 is required for each additional point of discharge or deposit.

Signature

- If a discharge is involved, an application submitted by a corporation must be signed by the principal executive officer of that corporation or by an official of the rank of corporate vice president or above who reports directly to such principal executive officer and who has been designated by the principal executive officer to make such applications on behalf of the corporation. In the case of a partnership or a sole proprietorship, the application must be signed by a general partner or the proprietor. Other signature requirements are discussed in the pamphlet.
- If no discharge is involved, an application may be signed by the applicant or his authorized agent.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate.

President

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR CORPS OF ENGINEERS USE ONLY

Acronym name of applicant

NCRVS

Are discharge structures

Major? ☐

Minor? ☐

N/A? ☒

Date received, form not complete

Date received, form complete but without certificate

Date received, form complete

Date of Cert./Ltr.

day mo yr

Date sent to EPA, form not complete

Date sent to EPA, NOAA, D/I, AEC.

FPC in complete form

day mo yr

5. Date <u>AUG 9 71</u> mo day yr	(Office use only) <u>2720682</u>
6. Check type of application: a. Original <input checked="" type="checkbox"/> b. Revision <input type="checkbox"/>	7. Number of original application
8. Name of facility where discharge or construction will occur. <u>South east corner of property of</u> <u>North Chicago Refiners & Smelters, Inc.</u>	
9. Full mailing address of facility named in item 8 above. <u>North Chicago Refiners & Smelters, Inc.</u> <u>2028 South Sheridan Road</u> <u>North Chicago, Illinois 60064</u>	
10. Names and mailing addresses of all adjoining property owners whose property also adjoins the waterway. <u>All North Chicago property owners</u>	
11. Check to indicate the nature of the proposed activity: a. Dredging <input type="checkbox"/> b. Construction <input type="checkbox"/> c. Construction with Discharge <input type="checkbox"/> d. Discharge only <input checked="" type="checkbox"/>	
12. If activity is temporary in nature, estimate its duration in months.	
If application is for a discharge:	
13. List intake sources	
Source	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal or private water supply system	0 07
Surface water body	0 8
Ground water (Well)	1 4
Other Rain	2 2.7
14. Describe water usage within the plant	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Cooling water recycled	6
Boiler Feed water	0 033
Process water	0 033
Sanitary system*	0 033
Other	0 033
15. List volume of discharges or losses other than into navigable waters.	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal waste treatment system	0 033
Surface containment	0 033
Underground disposal	0 033
Waste Acceptance firms	0 033
Evaporation	0 033
Consumption	0 033
* Indicate number employees served per day <u>100</u>	

If structures exist, or dredging, filling or other construction will occur, the precise location of the activity must be described.

(Office use only)

2720682

- a. Name the corporate boundaries within which the structures exist or the activity will occur.

16. State Illinois

17. County Lake

18. City or Town North Chicago

- b. Name of waterway at the location of the activity

19. Storm sewer to Pettibone Creek then to Lake Michigan

20. Maps and sketches which show the location and character of each structure or activity, including any and all outfall devices, dispersive devices, and non-structural points of discharge, must be attached to this application.

21. For construction or work in navigable waters for which a separate permit is sought under 33 U.S.C. 403, the character of each structure must be fully shown on detailed plans to be submitted with this application. Note on the drawings those structures for which separate discharge information (Section II of this form) has been submitted.

22. List all approvals or denials granted by Federal, Interstate, State or local agencies for any structures, construction, discharges or deposits described in this application.

Type of document

Id. No.

Date

Issuing Agency

23. Check if facility existed or was last fully under construction prior to April 3, 1970. ☒

24. If dredging or filling will occur:

State the type of materials involved, their volume in cubic yards, and the proposed method of measurement.

25. Describe the proposed method of instrumentation which will be used to measure the volume of any solids which may be deposited and to determine its effect upon the waterway.

grab sample - analysed by our own laboratory

26. State rates and periods of deposition described in item 25.

Only occurs during heavy rainfall, as occurred last year in June, July and August, once each month.

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS

APPLICATION FOR PERMIT TO DISCHARGE OR WORK IN NAVIGABLE WATERS AND THEIR TRIBUTARIES

FORM APPROVED
OMB NO. 45-R 0408

NPDES # 473-74

NPDES # IL 0002755

SECTION 1. GENERAL INFORMATION

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Div.	Dist.	Type	Sequence No.

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3. Mailing address of applicant

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Walter Schmidt, Plant Engineer
Irving Tanenberg - Plant Manager
North Chicago Refiners & Smelters, Inc.
2028 South Sheridan Road - North Chicago, Illinois 60064
Telephone: 312-262-5200

RECEIVED

APR 22 1974
ENVIRONMENTAL ACTION AGENCY
DEPT. OF WATER POLLUTION CONTROL
PERMIT SECTION - SPRINGFIELD
STATE OF ILLINOIS

NOTE TO APPLICANT: Refer to the pamphlet entitled "Permits for Work and Structures in and for Discharges or Deposits into Navigable Waters" before attempting to complete this form.

Required Information

- All information contained in this application will, upon request, be made available to the public for inspection and copying. A separate sheet entitled "Confidential Answers" must be used to set out information which is considered by the applicant to constitute trade secrets or commercial or financial information of a confidential nature. The information must clearly indicate the item number to which it applies. Confidential treatment can be considered only for that information for which a specific written request of confidentiality has been made on the attached sheet. However, in no event will identification of the contents and frequency of a discharge be recognized as confidential or privileged information.
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- If additional space is needed for a complete response to any item on this form, attach a sheet entitled "Additional Information." Indicate on that sheet the item numbers to which answers apply.
- Drawings required by items 20 and 21 should be attached to this application. Other papers which must be attached to this application include, if applicable, copies of a water quality certification or a written communication which describes water quality impact (see Item 22 and Item 10 of Section II below), the additional information sheet(s) in "c" above, and the confidential information sheet described in "a" above.

Fees

If any discharge or deposit is involved, an application fee of \$100 must be submitted with this application. An additional \$50 is required for each additional point of discharge or deposit.

Signature

- If a discharge is involved, an application submitted by a corporation must be signed by the principal executive officer of that corporation or by an official of the rank of corporate vice president or above who reports directly to such principal executive officer and who has been designated by the principal executive officer to make such applications on behalf of the corporation. In the case of a partnership or a sole proprietorship, the application must be signed by a general partner or the proprietor. Other signature requirements are discussed in the pamphlet.
- If no discharge is involved, an application may be signed by the applicant or his authorized agent.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate.

Irving Tanenberg, President

Signature of Applicant

North Chicago Refiners & Smelters, Inc.

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Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR CORPS OF ENGINEERS USE ONLY

Acronym name of applicant

NCR & S

Are discharge structures

Major? ☐

Minor? ☐

N/A? ☒

Date received, form not complete

Date received, form complete but without certificate

Date received, form complete

Date of Cert./Ltr.

day mo yr

Date sent to EPA, form not complete

Date sent to EPA, NOAA, D/I, AEC,

FPC in complete form

day mo yr

5. Date <u> AUG </u> <u> 9 </u> <u> 71 </u> mo day yr	(Office use only) <u> 2720682 </u>
6. Check type of application: a. Original <input checked="" type="checkbox"/> b. Revision <input type="checkbox"/>	7. Number of original application _____
8. Name of facility where discharge or construction will occur. <u>South east corner of property of</u> <u>North Chicago Refiners & Smelters, Inc.</u>	
9. Full mailing address of facility named in item 8 above. <u>North Chicago Refiners & Smelters, Inc.</u> <u>2028 South Sheridan Road</u> <u>North Chicago, Illinois 60064</u>	
10. Names and mailing addresses of all adjoining property owners whose property also adjoins the waterway. <u>All North Chicago property owners</u>	
11. Check to indicate the nature of the proposed activity: a. Dredging <input type="checkbox"/> b. Construction <input type="checkbox"/> c. Construction with Discharge <input type="checkbox"/> d. Discharge only <input checked="" type="checkbox"/>	
12. If activity is temporary in nature, estimate its duration in months. If application is for a discharge: _____	
13. List intake sources	
Source	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal or private water supply system	0 07
Surface water body	0 8
Ground water (Well)	1 4
Other Rain	2 2.7
14. Describe water usage within the plant	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Cooling water recycled	6 10
Boiler Feed water	0 033
Process water	0 033
Sanitary system*	0 033
Other	0 033
15. List volume of discharges or losses other than into navigable waters.	
Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
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Surface containment	0 033
Underground disposal	0 033
Waste Acceptance firms	0 033
Evaporation	0 033
Consumption	0 033
* Indicate number employees served per day <u> 100 </u>	

If structures exist, or dredging, filling or other construction will occur, the precise location of the activity must be described.

(Office use only)

2720682

- a. Name the corporate boundaries within which the structures exist or the activity will occur.

16. State Illinois

17. County Lake

18. City or Town North Chicago

- b. Name of waterway at the location of the activity

19. Storm sewer to Pettibone Creek then to Lake Michigan

20. Maps and sketches which show the location and character of each structure or activity, including any and all outfall devices, dispersive devices, and non-structural points of discharge, must be attached to this application.

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Type of document

Id. No.

Date

Issuing Agency

23. Check if facility existed or was last fully under construction prior to April 3, 1970. ☒

24. If dredging or filling will occur:

State the type of materials involved, their volume in cubic yards, and the proposed method of measurement.

25. Describe the proposed method of instrumentation which will be used to measure the volume of any solids which may be deposited and to determine its effect upon the waterway.

✓ grab sample -- analysed by our own laboratory

26. State rates and periods of deposition described in item 25.

Only occurs during heavy rainfall, as occurred last year in June, July and August, once each month.

SECTION II: PLANT PROCESS AND DISCHARGE DESCRIPTION

1. Discharge described below is a. Present <input checked="" type="checkbox"/> b. Proposed new or changed <input type="checkbox"/>		2. Implementation schedule <input type="checkbox"/>	(Office use only) 2720682
Name of corporate boundaries within which the point of discharge is located. State <u>Illinois</u> County <u>Lake</u>		City or Town <u>North Chicago</u>	6. Discharge Serial No. <u>001</u>
State the precise location of the point of discharge. 7. Latitude _____ Degrees; _____ Min; _____ Sec. 8. Longitude _____ Degrees; _____ Min; _____ Sec.		9. Name of waterway at the point of discharge. <u>North Chicago Storm sewers to Pettibone Creek which flows into Lake Michigan</u>	
10. Has application for water quality certification or description of impact been made? If so, give date: <div style="display: flex; justify-content: space-between;"> <div>Date _____ mo day yr.</div> <div>Check if certificate is attached to form <input type="checkbox"/></div> <div>Name Issuing Agency <u>Not made</u></div> </div>			
11. Narrative description of activity (include terms of general 4-digit Standard Industrial Classification, and specific manufacturing process). <u>General Process - Secondary smelting & refining of non-ferrous metals.</u> <u>Specific Process - cooling water to reduce temperature of poured ingots, furnace effluent, equipment & machinery. Excess water in recirculation cooling water system & rain water collecting in large pond & reservoir are subject to discharge into the storm sewer system through an overflow pipe to prevent flooding plant property.</u>			
12. Standard industrial classification number. <u>SIC 334</u> <u>443</u>	13. Principal product. <u>Non-ferrous ingots</u>	14. Amount of principal product produced per day. <u>132 Tons</u>	
15. Principal raw material. <u>Non-ferrous scrap</u>	16. Amount of principal raw material consumed per day. <u>140 Tons</u>	17. Number of batch discharges per day. <u>Not batch discharging</u>	
18. Average gallons per batch discharge. _____	19. Date discharge began. Same as when plant was purchased in _____ mo _____ day 19 <u>41</u> yr	20. Date discharge will begin. _____ mo _____ day _____ yr	
21. Describe waste abatement practices. <u>Normal operations consists of (RECYCL) recycling & reusing the cooling water after (DSEDIM) sedimentation in the pond followed by (PSCREE) screening through a coarse screen before entering an underground culvert. After the water is lifted by a pump to a large reservoir further (PSEDIM) sedimentation is conducted before again coarse screening (PSCREE) occurs ahead of the recirculation pump suction. Once a year the deposit left by (PSEDIM) sedimentation in both the reservoir and pond is removed by a crane clamshell for land fill disposal (SLANDD) Only heavy rainfall, because of the large pond & reservoir surface area, or excess city & well water use beyond evaporation loss would result in water being discharged into an overflow pipe located in the underground culvert and then into the storm sewer system.</u>			

22.

PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE

Intake	Discharge		(Office use only) 220682				
	Well & City	AVERAGE (DAILY)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	Discharge Serial No.	
Parameter and (Code)		(2)	(3)	(4)	(5)	(6)	(7)
Flow (Gallons per day) 00056	86,700		2000	1,120	3000	Othr Semi-annually	ABS
pH 00490	7.6		10	7	11	"	"
Temperature (Winter) (°F) 74028	40 to 65		60	50	65	"	"
Temperature (Summer) (°F) 74027	65 to 70		80	65	85	"	"

23.

DISCHARGE CONTENTS

PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT
Color 00080		X	Aluminum 01105	X		Nickel 01067		X
Turbidity 00070	X		Antimony 01097	X		Selenium 01147		X
Radioactivity 77050		X	Arsenic 01002	X		Silver 01077		X
Hardness 00900		X	Beryllium 01012		X	Potassium 00937		X
Solids 00500 primarily charcoal	X		Barium 01007		X	Sodium 00929		X
Ammonia 00610		X	Boron 01022		X	Titanium 01152		X
Organic Nitrogen 00605		X	Cadmium 01027		X	Tin 01102		X
Nitrate 00620		X	Calcium 00916		X	Zinc 01092 also as Zinc Oxide	X	
Nitrite 00615		X	Cobalt 01037		X	Algicides 74051		X
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550	X	
Sulfate 00945		X	Copper 01042	X		Phenols 32730		X
Sulfide 00745		X	Iron 01045	X		Surfactants 38260		X
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052		X
Bromide 71870		X	Magnesium 00927		X	Pesticides 74053		X
Chloride 00940	X		Manganese 01055		X	Fecal Streptococci Bacteria 74054		X
Cyanide 00720		X	Mercury 71900	X		Coliform Bacteria 74056		X
Fluoride 00951	X		Molybdenum 01062	X				

Record Copy
Final



Illinois Environmental Protection Agency 2200 Churchill Road, Springfield, IL 62706

217/782-0610

R. Lavin and Sons, Inc.
North Chicago Refiners and Smelters
NPDES Permit No. IL0002755
Modification of NPDES Permit (After Public Notice)
January 26, 1987

North Chicago Refiners and Smelters
a Division of R. Lavin and Sons, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064

Gentlemen:

The Illinois Environmental Protection Agency has reviewed a request by our Maywood Regional Office for modification of the above-referenced NPDES Permit and issued a public notice based on that request. The final decision of the Agency is to modify the Permit as follows:

1. The operation of this facility shall be under the supervision of a certified Class K Operator.
2. Storm water runoff shall be monitored.

Enclosed is a copy of the modified Permit.

Should you have any question or comments regarding the above, please contact Stephen F. Nightingale of my staff.

Very truly yours,

Thomas G. McSwiggin, R.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:
TGM:TRK:SFM:jd/0092g/16-23

cc: USEPA 5HQ/Wth Enclosure
Region 2/Wth Enclosure
Permit Section
Records Unit✓

CAS
Enclosure

NPDES Permit No. IL0002755

Illinois Environmental Protection Agency

Division of Water Pollution Control

2200 Churchill Road

Springfield, Illinois 62706

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Modified (NPDES) Permit

Expiration Date: November 1, 1990 Issue Date: January 23, 1986
Modification Issue Date: January 26, 1987 Effective Date: February 22, 1986
Modification Effective Date: February 25, 1987
Name and Address of Permittee: Facility Name and Address:

North Chicago Refiners and Smelters North Chicago Refiners and Smelters
a Division of R. Lavin and Sons, Inc. a Division of R. Lavin and Sons, Inc.
2028 South Sheridan Road 2028 South Sheridan Road
North Chicago, Illinois 60064 North Chicago, Illinois 60064
(Lake County)

Discharge Number and Name:

Receiving Waters

001 overflow from reservoir
002 Storm Water runoff

Pettibone Creek via storm sewer
Pettibone Creek via unnamed ditch

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D Rules and Regulations of the Illinois Pollution Control Board, and the FWPCA, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.



Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:TRK:MAS:bjh/sp/1962E

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until November 1, 1990, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 001 (Overflow From Reservoir)						
Flow					Daily when Discharging	Estimate
Total Suspended Solids			15.0	30.0	Daily when Discharging	Composite
Copper			0.5	1.0	Daily when Discharging	Composite
Lead			0.2	0.4	Daily when Discharging	Composite
Zinc			1.0	2.0	Daily when Discharging	Composite
Iron			2.0	4.0	Daily when Discharging	Composite
Nickel			1.0	2.0	Daily when Discharging	Composite
pH	See Special Condition No. 1				Daily when Discharging	Grab
C					Discharging	

Discharging

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until November 1, 1990, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall: 002 (Stormwater runoff)						
Flow					1/Month when Estimate	
Boron			1.0		Discharging	
Copper			0.02		1/Month when Composite	
Iron			1.0		Discharging	
Lead			0.10		1/Month when Composite	
Zinc			1.0		Discharging	
Nickel			1.0		1/Month when Composite	
pH					Discharging	
					1/Month when Grab	
					Discharging	

See Special Condition No. 2

January 26, 1987

NPDES Permit No. IL0002755

Special Conditions

1. The pH shall be within the range of 6.0 to 9.0.
2. The pH shall be within the range of 6.5 to 9.0.
3. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.
4. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Compliance Assurance Section

Additionally, Discharge Monitoring Report forms shall be mailed to United States Environmental Protection Agency in Chicago on a quarterly basis. The permittee shall submit the reports as follows, unless otherwise specified by the permitting authority.

Period	Report Due At
	U.S. Environmental Protection Agency
Jan, Feb, Mar	April 28th
April, May, Jun	July 28th
July, Aug, Sept	October 28th
Oct, Nov, Dec	January 28th

Reports shall be addressed to United States Environmental Protection Agency as follows:

NPDES Water Division - Compliance Section
United States Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604

3601000027

NPDES Permit No. IL0002755

Special Conditions

- *5. Subject to Paragraph 2 of this special condition, there shall be no discharge of process wastewater pollutants into waters of the State.

An impoundment which is designed, constructed and operated so as to contain the precipitation from the 25-year, 24-hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of water which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25-year, 24-hour rainfall event, when such event occurs.

6. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

★7. Storm Composite Sample

A storm composite shall consist of a combination of sample aliquots collected during a precipitation event. Each sample aliquot shall consist of at least 50 milliliters and be collected at no more than one (1) hour intervals taken over the duration of the precipitation event or over a 24-hour period from the start of the precipitation event. A precipitation event for purposes this Permit is defined as a rainfall event exceeding three-tenths of an inch in a twenty-four hour period.

- **8. Storm water sample, shall be taken from the ditch running along the eastern portion of the south property line.**

***Special Condition 5 pertains to outfall 001.**

****Special Conditions 7 and 8 pertain to outfall 002 (Stormwater Runoff).**

ENGINEER REVIEW NOTES

Date 10/15/90 Page 1 of NPDES #IL 0003755

A. Type of permit: New ✓ Reissued Modified -- PCB Order #

B. Discharge classification: ✓ Major Minor

C. Name of Discharger: R. Lazen & Sons, Inc

1. Facility Name: North Chicago Refining & Smelters (NCRS)

2. Location of Discharge: 3028 South Spaulden Road, North Chicago

D. Application Preparer: George M. Kanan Plant Manager

1. Firm: NCRS Phone Number: 708/457-4300

E. IEPA Review Engineer: A. Dier Phone Number: 217/782-0610

F. Number of discharge(s) covered by this permit: 4

G. Length of Permit: approximately 5 years, Expiration Date December 1, 1995

H. Give a Brief Description of the Manufacturing Operations.

SIC: 3341 Category: secondary smelting and refining of non-ferrous metals

I. Name of Receiving Stream: Pittsboro Creek via storm sewer

Major Basin Sub-Basin Tributary Minor Tributary

to Lake Michigan

J. Stream Use Classification:

✓ General Use Other - Specify

K. 7-Day, 10 Year Low Flow of Receiving Stream: 0 cfs

L. Facility Intake Water

1. <u> </u>	Municipal or Private Water System	<u> </u>	MGD
2. <u> </u>	Surface Water	<u> </u>	MGD
3. <u> </u>	Groundwater	<u> </u>	MGD
4. <u> </u>	Other (specify) <u> </u>	<u> </u>	MGD

ENGINEER REVIEW NOTES

Page 2 of __

NPDES #IL 0002755

M. Facility Water Use

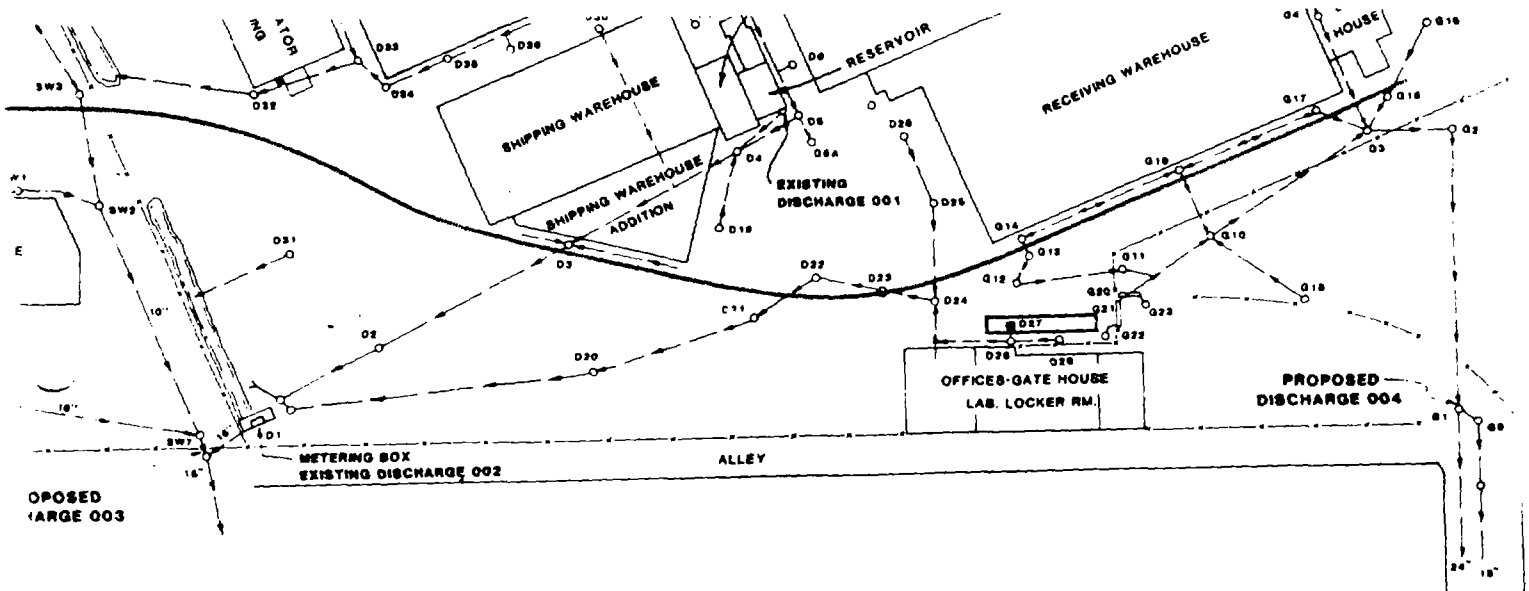
- | | | | |
|-----------------------------|---|--------------------------|-----|
| 1. <input type="checkbox"/> | Non-contact Cooling Water | <input type="checkbox"/> | MGD |
| 2. <input type="checkbox"/> | Boiler Feed Water | <input type="checkbox"/> | MGD |
| 3. <input type="checkbox"/> | Process Water (Include Contact Cooling Water) | <input type="checkbox"/> | MGD |
| 4. <input type="checkbox"/> | Sanitary Water | <input type="checkbox"/> | MGD |
| 5. <input type="checkbox"/> | Other (specify) _____ | <input type="checkbox"/> | MGD |
| 6. <input type="checkbox"/> | Other (specify) _____ | <input type="checkbox"/> | MGD |

N. All Facility Discharges

- | | | | |
|--|---|-------------------------------------|-----|
| 1. <input type="checkbox"/> | Surface Water | <input type="checkbox"/> | MGD |
| 2. <input type="checkbox"/> | Sanitary Sewer System - P/T | <input type="checkbox"/> | MGD |
| 3. <input checked="" type="checkbox"/> | Storm Sewer System <i>stormwater & emergency overflow</i> | <input checked="" type="checkbox"/> | MGD |
| 4. <input type="checkbox"/> | Combined Sewer System - P/T | <input type="checkbox"/> | MGD |
| 5. <input type="checkbox"/> | Surface Impoundment With No Discharge from Fac. | <input type="checkbox"/> | MGD |
| 6. <input type="checkbox"/> | Underground Percolation | <input type="checkbox"/> | MGD |
| 7. <input type="checkbox"/> | Well Injection | <input type="checkbox"/> | MGD |
| 8. <input type="checkbox"/> | Evaporation | <input type="checkbox"/> | MGD |
| 9. <input type="checkbox"/> | Consumption | <input type="checkbox"/> | MGD |
| 10. <input type="checkbox"/> | Other (specify) _____ | <input type="checkbox"/> | MGD |

O. Dilution Ratio 2:2

P. Flow Diagram of Waste Sources and Treatment Process (Include design flow):



LEGEND

- | | |
|--|-----------------------------|
| | STORM SEWER |
| | PROPERTY LINE |
| | FENCE |
| | RAILROAD TRACKS |
| | STORM SEWER MANHOLE / INLET |
| | PUMP |



Illinois Environmental Protection Agency · 2200 Churchill Road, Springfield, IL 62706

217/782-0610

R. Lavin and Sons, Inc.
North Chicago Refiners and Smelters
NPDES Permit No. IL0002755
Final Permit

JAN 23 1986

North Chicago Refiners and Smelters
a Division of R. Lavin and Sons, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064

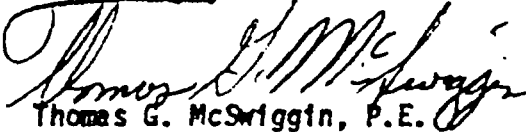
Gentlemen:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. The failure of you to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Permit as issued is effective as of the date indicated on the first page of the Permit. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board prior to the effective date.

Should you have questions concerning the Permit, please contact Mark A. Schollenberger at the telephone number indicated above.

Very truly yours,



Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:TRK:MAS:bjh/1956E/12,20

Enclosure: Final Permit

cc: USEPA/With Enclosure
Region II/With Enclosure
Permit Section
Records Unit
Consulting Engineer

NPDES Permit No. IL0002755

Illinois Environmental Protection Agency

Division of Water Pollution Control

2200 Churchill Road

Springfield, Illinois 62706

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: November 1, 1990

Issue Date: January 23, 1986

Effective Date: Feb. 22, 1986

Name and Address of Permittee:

Facility Name and Address:

North Chicago Refiners and Smelters
a Division of R. Lavin and Sons, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064

North Chicago Refiners and Smelters
a Division of R. Lavin and Sons, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064
(Lake County)

Discharge Number and Name:

Receiving Waters

001 overflow from reservoir

Pettibone Creek via storm sewer

002 ?
In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D Rules and Regulations of the Illinois Pollution Control Board, and the FWPCA, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.



Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:TRK:MAS:bjh/sp/1962E

NPDES Permit No. IL0002755

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until November 1, 1990, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 001*						
Flow					Daily when Discharging	Estimate
Total Suspended Solids			15.0	30.0	Daily when Discharging	Composite
Copper			0.5	1.0	Daily when Discharging	Composite
Lead			0.2	0.4	Daily when Discharging	Composite
Zinc			1.0	2.0	Daily when Discharging	Composite
Iron			2.0	4.0	Daily when Discharging	Composite
Nickel			1.0	2.0	Daily when Discharging	Composite
pH	See Special Condition No. 1				Daily when Discharging	Grab

See Special Condition No. 4

Special Conditions

1. The pH shall be in the range 6.0 to 9.0.
2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.
3. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Compliance Assurance Section

Additionally, Discharge Monitoring Report forms shall be mailed to United States Environmental Protection Agency in Chicago on a quarterly basis. The permittee shall submit the reports as follows, unless otherwise specified by the permitting authority.

Period	Report Due At
	U.S. Environmental Protection Agency
Jan, Feb, Mar	April 28th
April, May, June	July 28th
July, Aug, Sept	October 28th
Oct, Nov, Dec	January 28th

Reports shall be addressed to United States Environmental Protection Agency as follows:

NPDES Water Division - Compliance Section
United States Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604

Special Conditions

4. Subject to Paragraph 2 of this special condition, there shall be no discharge of process wastewater pollutants into waters of the State.

An impoundment which is designed, constructed and operated so as to contain the precipitation from the 25-year, 24-hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of water which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25-year, 24-hour rainfall event, when such event occurs.

1000001092

file

July 15, 1974

North Chicago Refiners & Smelters, Inc.
NPDES #IL 0002755
Illinois Log #NPDES 473-74

Walter Schmidt, Plant Engineer
North Chicago Refiners & Smelters, Inc.
2028 South Sheridan Road
North Chicago, Illinois 60064

Dear Mr. Schmidt:

Our Agency is in the process of reviewing your application for permit to discharge wastewater to navigable waters which you prepared in August, 1971 and submitted to the Corp of Engineers. As you know, these applications are considered to be applications for the Federal National Pollutant Discharge Elimination System (NPDES) permit program. Our Agency had issued a permit to your company in 1972 for a completely closed cycle wastewater treatment system. If indeed your wastewater system is closed loop and there is no discharge to storm sewers or navigable waters, an NPDES permit is not required.

Please inform us by return mail as to the status of the closed loop treatment system which we previously permitted and indicate to us whether the information submitted in your 1971 application to the Corp of Engineers is still current and applicable to your present discharge.

If you have any questions on this matter, please feel free to call me at 2121 West Taylor Street, Chicago, Illinois 60612 (phone 312-793-5632).

Very truly yours,

DIVISION OF WATER POLLUTION CONTROL

Carl T. Blomgren
Carl T. Blomgren
Permit Section
DesPlaines Basin Unit

CTD:scd

cc: NPDES Springfield ✓
NPDES Chicago
Field Operations
Enforcement Services

2217000592

PHONES

NORTH CHICAGO - 689-4300
CHICAGO - 262-5200

BRASS - BRONZE
SPECIAL ALLOYS

NORTH CHICAGO REFINERS & SMELTERS, INC.

INGOT METALS

2028 SOUTH SHERIDAN ROAD
NORTH CHICAGO, ILL. 60064

RECEIVED
CHICAGO OFFICE

23 July 1974

JUL 29 1974

PERMIT SECTION
ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

ATTN: Mr. Carl T. Blomgren
Permit Section, Des Plaines Basin Unit

SUBJ: Your letter dated 7-15-74
NPDES #IL0002755 and NPDES 473-74

Dear Mr. Blomgren:

With this letter I wish to apologize for not informing your department that we now have a closed loop treatment system. The Permit number assigned to us is 1972-EB-1473 for this treatment system.

Overflow water from our reservoir which has passed through the filters, can enter the storm sewer system, but this is well within the limits outlined by the Federal Government. This will normally only occur if we have a heavy cloudburst.

Very truly yours,

Walter Schmidt

Walter Schmidt
Plant Engineer

WS:oh

221700053

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

2200 Churchill Road

62706



Springfield, Illinois

Phone: 312-793-5632

Please reply 2121 West Taylor
Chicago, IL 60612

Dr. Richard H. Briceland, Director

August 2, 1974

NORTH CHICAGO REFINERS & SMELTERS, INC.

USEPA Application #IL 0002755 NPDES
Illinois Log #NPDES 473-74
Non Necessity

Mr. A. H. Manzardo
U. S. Environmental Protection Agency
Region V
1 North Wacker Drive
Chicago, Illinois 60606

Dear Mr. Manzardo:

This Agency has received the application form and necessary supporting documents and July 23, 1974 letter from the applicant for the subject project for subsequent NPDES Permit issuance.

Based on this Agency's review of the available information for the North Chicago Refiners & Smelters, Inc. project, it is indicated that all industrial waste is handled by a closed loop treatment system for which an Illinois Environmental Protection Agency Permit (1972-EB-1473) was issued. There is no discharge to the waters of the State or to a storm sewer tributary to the waters of the State except for emergency overflow of the reservoir during heavy rainfalls.

Therefore, based on the above information it is this Agency's position that no NPDES Permit is required for the North Chicago Refiners & Smelters, Inc.

Should you have any questions on this matter, please contact Carl T. Blomgren at 2121 West Taylor Street, Chicago, Illinois 60612, phone (312) 793-5632.

Very truly yours,

DIVISION OF WATER POLLUTION CONTROL

William H. Busch

Carl T. Blomgren Jr.
Manager

Des Plaines Basin Unit
Permit Section

CTB:dk

CC - DWPC Permits Chgo., Springfield
North Chicago Refiners & Smelters.

E.S.S.

F.O.S.